

## **ABSTRACT**

An aluminum-magnesium alloy for casting operations consisting of, in weight percent, Mg 2.7-6.0, Mn 0.4-1.4, Zn 0.10-1.5, Zr 0.3 max., V 0.3 max., Sc 0.3  
5 max., Ti 0.2 max., Fe 1.0 max., Si 1.4 max., balance aluminum and inevitable impurities. The casting alloy is particularly suitable for application in die-casting operations. Further the invention relates to the method of use of the casting alloy for die-casting automotive components.